

W6OTX

W6ARA

PAARA NEWSLETTER
VOLUME 76, NUMBER 3, March 2025

K6OTA

K6YQT

PAARAgraphs



The Official Newsletter of the

Palo Alto Amateur Radio Association, Inc.

The Friendliest Club Around

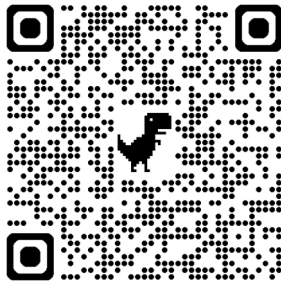
Celebrating 88 years as an *active* amateur radio club—*Since 1937*<http://www.paara.org/>

Homebrew Night

From hardware to software, simple to complex. It doesn't matter. If you put your heart and soul into it then show it off at the March meeting! It is strongly suggested that you make your presentation in person to facilitate a better viewing experience. If you present via Zoom then it may work better if you make a PDF file of pictures and any supporting text and share that so you don't have to fumble trying to get the item(s) in the camera view.

Show and tell time to talk about your project is limited to 7 minutes and we are only accepting 10 participants. We're excited to see what you've made!

Sign up to present at paara.org, or click on the QR code.



**This meeting will be a
Hybrid Meeting
Zoom and In Person**

Time: Mar 7, 2025 07:00 PM Pacific Time
Please check <https://www.paara.org> for
Zoom Details

Questions of the Month

What is the standard repeater offset on 2m? on 440MHz? What happens if it's set incorrectly?

Upcoming Events

Mar 7	PAARA General Meeting, 7:00 PM
Apr 4	Zoom and In Person Meeting.
May 2	March is the Homebrew Night. 
Mar 19	Board Meeting, 7:00 PM.
Apr 16	Everyone welcome! Zoom Meeting,
May 21	eMail President for details.
May 3	PAARA In the Park, Cupertino Memorial Park

President's Corner

I hope everyone had a wonderful February! The month started with a very interesting and entertaining presentation at the February meeting by Ben Eadie, VE6SFX, about prototyping and building various antenna constructions. We had a lot of good questions in the room and on Zoom, including some that got Ben himself thinking about future projects and products. This was a really great example of how sharing information can generate new ideas and demonstrates the fun and value of an active amateur radio community!



Speaking of prototyping and building antennas (and anything else), we will be hosting Homebrew Night at the March 7th meeting. This is a really fun meeting where members get to do some "show and tell" about projects or activities related to ham radio, technology, or really anything fun that they'd like to share. Have

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Quartzfest 2025 – one ham's view

Jim Thielemann, K6SV

Quartzfest 2025 is in the bag as they say. About 525 people enjoyed the event. The weather mostly cooperated starting out with sun, mild temperatures, and next to no breeze. By Tuesday, things changed, as they frequently do. The 20~30 mph wind came up out of the north and the temps dropped a bit. It was still windy all Wednesday and breezy on Thursday and Friday. On Saturday, the wind switched to coming out of the South with heavy overcast skies. Those that stuck around for Sunday found warm temps and clear skies with next to no breeze! Nights were between 34 and 43 degrees. Overall, the weather wasn't bad with no large swings in conditions.

As for the event, there are a large number of talks on a wide range of topics. Joel, KD6W, who was staying with me in my motorhome, gave several talks on amateur television. Along with amateur TV, there were talks on counter poises, mesh networks, contesting, crocheting, first aid, metal detecting, flying kites, and cast iron cooking, among others. There were daily raffles during Happy Hour. Owing to the BLM rules, all prizes were donated and the raffle tickets were free. Icom donated an IC705 as the grand prize raffled away during closing ceremonies on Saturday! Before the closing ceremonies, the PAARA attendees gathered for a group shot. As you can see, the sun was out and it was nice and warm, NOT.

Tuesday lots of participants with to the RV show in Quartzsite. It's a rather large show with lots of vendors in a giant tent. Should you be interested in an RV, there are lots of Class A (bus type), Class C, (built on cutout van chas-

sis), 5th wheels (large towed by pickup trucks attached to the bed of the truck), and travel trailers (towed with a trailer hitch). Even if not looking for a new rig, it's fun to look and see what's new. Joel and I spent several hours looking at travel trailers, as he's interested in one.

Wednesday was off-road day. Unlike most years, this year you needed a high clearance vehicle with that's a 4x4 with low range as there were 2 steep climbs, one dirt and the other paved. There were about 36 participants in the trip. The first 40 minutes or so went fine. When we hit the first grade, the dirt one, we were advised to stay to the right and miss a big rock on the right side of the trail, which could damage the undercarriage of your vehicle. The leader made it up just fine but the 2 and 4 seater side by sides and a car didn't. All 3 went off the left side of the road. The side by sides weren't as hard to get out as they aren't that heavy. The car was a problem as the first attempt put it further off the road. About 3 hours later, 5 other 4x4's, 9 tow straps, two winches later, and the

car was finally back on the road! There is a video of the event here: <https://www.youtube.com/watch?v=ku24UolcaNY>. It's rather long with roughly the 1st half being on the trail with yours truly at the helm. The 2nd part is the recovery. We were all happy everyone was safe and no damage to the car.



Fig 1. Left to Right: Karen, KK6NGA; Frank, AF0XX; Rachael, KK6DAC; Rob, KC6TYD; Joel, KC6W; and Jim, K6SV.

A highlight was a "contest" between a few volunteers who tried to tap out a CW message using their left foot. What fun that was! Most were reasonable successful in getting the short message out. Rob, KD6W, even stamped out the message even though he doesn't know CW. All he had to do was follow the dots and dashes on the sheet of paper. I think he won

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(Quartzfest — Continued from page 2)



Fig 2. Left to Right: Rob, KC6TYD; Terry WM6T; and Gordo, WB6NOA

the event but Gordon West, WB6NOA, busted Rob's call. Fig.2 shows the left foot keying.

Once closing ceremonies were over, many attendees hit the road. Karen and Frank were heading for a Casita trailer gathering on the other side of Quartzsite. Rob and Rachel, tent campers, hung around, as Rob wanted to work Winter Field Day. They will be heading home on Monday. Rob was racking up contacts as I said my goodbyes on Sunday. As for me, I headed out for Johnson Valley and the King of the Hammers (KOH) off-road races. By late afternoon, I finally got setup in my camping spot. You'll have to wait until next month to find out what happened. I can tell you that we had no idea what was in store for us the day after I arrived!



73, see you down the log... Jim K6SV

Feb 2025 Board Meeting Minutes

Attending were: President Bob Ridenour KN6YGN, Vice President Rob Fenn KC6TYD, Secretary Ric Hulett N6AJS, Treasurer Margaret Cooper K6WEK, Directors Darryl Presley KI6LDM, Walt Gyger K6WGY, and Doug Teter KG6LWE. Also present were ASVARO rep Clark Martin KK6ISP and Webmaster Shri KA6Q.

The meeting was called to order at 7:08 pm. A quorum was present.

Club Callsign Trustees:

- After discussion, the board voted unanimously to appoint the following trustees for club callsigns:

W6ARA: The new trustee will be Bob Ridenour, KN6YGN

W6OTX: The new trustee will be Christopher Hoover, AI6KG

Officer Reports

- President's Report (Bob):
 - ♦ Last meeting went reasonably well given constraints around the audio system.
 - ♦ Yours truly managed to bring the coffee and the audio system, but forgot the attendance book. I bought a temporary book that we used at the meeting, and am in the process of transcribing the data into the actual book. Will be complete before the next meeting.
 - ♦ Connie has volunteered to help with coffee and refreshments. She doesn't have room to keep the coffee equipment boxes, but will make the coffee at the meetings to free me up for other meeting setup.
 - ♦ Sorin will most likely not be able to join the 2/19 board meeting, but he has been making progress on the web site. More details below.
- Secretary's Report (Ric) — We have received a few more member renewals last month. 45 members have not yet renewed for 2025. Some of the March PAARAgaphs will have a special label "Don't let this be your last PAARAgaphs". In April, a remind-

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er postcard will go out instead of the newsletter.

• **Treasurer's Report (Margaret) —**

- ♦ One filing for the raffle was completed by Feb 1.

Accountant has tax year information. No filings are due until May.

All cash monies have been deposited to the Wells Fargo account.

- ♦ Bob, Margaret, and Jim K6SV will meet at the bank to transfer responsibilities for the bank accounts.
- ♦ Christopher AI6KG has asked that we spend \$200 for UPS batteries at the repeater site. The board approved this.

• **VP / Program Chair Report (Rob) —** March 7 is PAARA's "Homebrew" night. We have four or five folks who have signed up to show their projects.

- The list of Raffle Prizes has been sent to Bob.

Standing Items

Encourage members to draft PAARAgaphs submissions when they talk about an interesting experience. Mention to members that when they tell you a story about something that would be of interest to members, they should draft it into an article. We have a story for March (thanks, Jim)! The March meeting is a good opportunity to encourage submissions as people will already be talking about their homebrew projects! Take the opportunity to encourage members to write an article about how they got interested in their project, or about an aspect of the project that they didn't have time to cover in the homebrew presentation!

• **Education Committee [Darryl]:**

Question of the month for March: What is the standard repeater offset on 2m? on 440MHz?

• **PAARA in the Park:**

- ♦ Next event is scheduled and confirmed for 5/3/25. Permits have been secured.

The educational project for this event will be a 'foxhole' radio: A very simple, no-power AM

radio receiver.

- ♦ The board discussed a soldering project for the September event.

- **Property Tracking:** Ric sent an initial version of an inventory spreadsheet we can use to track equipment. o Sorin and Darryl provided some comments in email. We agreed that one or two members will have write access to the sheet, and all board members can view.

• **PAARAgaphs advertising (Walt):**

Invoices are ready to send to all current advertisers. We have contacted Central Computer to check their interest in advertising. Micro Center is not yet open for business locally.

• **Web updates:**

- ♦ The most urgent updates have been made. Sorin and Shri are still working on reviewing current content and updating as appropriate.

Bob will coordinate with Sorin and Shri to ensure prompt updates of the 'meetings' webpage.

- ♦ Internet domain registrations have been transferred to Bob and will be renewed shortly.

- ♦ Sorin has been prototyping an update to the web site using GitHub. He has been migrating information to a "shadow" web site. The plan is to maintain the current site as best we can until we're ready to cut over to the new version.

We are planning a demonstration of the new page at the next board meeting.

- **Past meeting presentation videos:** Bob will send the last few videos to Rob to post on YouTube. Ric will furnish PDF copies of PAARAgaphs to Shri for posting on our webpage.
- Our next PAARA field trip will be to the USS Hornet, tentatively scheduled for August 16.
- The board discussed the raffle. It has been great to have the raffle back at our club meetings. As a goal, we will hold the raffle at 9:30 at each meeting.

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(Minutes — Continued from page 4)

Field Day:

- ♦ KG6LWE has reached out to Menlo Park officials, but we have not heard back yet.
- ♦ Trucks and porta-potties will be reserved starting February 20.
- ♦ We discussed moving the Get on the Air (GOTA) station to a tent. The board agreed to purchase a 12'X12' tent for this year. We'll put a sheet of plywood on the ground to give a level surface for operators. This will cost around \$225. The board agreed on this expenditure.
- ♦ This year we are planning a class 3A operation: Marty W6NEV will captain an all-digital station.

Old Business

- The DSP unit from our sound system is still out for repair.
- Electronic Flea Market: EFM 2025 schedule currently is:

Mar. 9	Flea Market - Benefits Silicon Valley Emergency Communications System - This is the first one for 2025!
Apr 13	Flea Market - Benefits West Valley Amateur Radio Association
May 18	Flea Market - Benefits Santa Clara County Amateur Radio Association (3rd Sunday this month)
June 8	Flea Market - Benefits Palo Alto Amateur Radio Association
July 13	Flea Market - Benefits Southern Peninsula Emergency Communications System
Aug. 10	Flea Market - Benefits Foothills Amateur Radio Society
Sep. 14	Flea Market - TBA.

- ♦ It's time to start planning for the May EFM. We will specifically mention the flea market starting at the March club meeting and start encouraging volunteers. Jeff KA6UIX has volunteered to purchase donuts for sale by the club.
- Free membership for new hams on our web-site:
 - ♦ New ham welcome has been updated. Now includes mention that first year of membership is free to hams who have received their first license within the last 12 months.
- 1.2 GHz ATV equipment: This work is on hold pending availability of Mikko AB6RF and Christopher AI6KG.

New Business

- We have arranged to take down a tower for a Mountain View ham on February 22.
- Ric received a request for a For Sale ad in PAARAGraphs:
 - ♦ For Sale: World War 2 vintage shortwave radio
 Model BC-1147A, Covers AM broadcast through 30 MHz.
 \$200 Contact: Harry Logan 650-941-4581 or Ric will confirm the (lightly edited) ad text and send to Bob Van Tuyt

The meeting was adjourned at 8:40 pm

Respectfully submitted,

Ric Hulett N6AJS

PAARA Secretary

March Raffle Prizes

- 1st: Upgraded Nano VNA-H4 Vector Analyzer, Latest V4.3 10KHz-1.5GHz HF, VHF, UHF.
- 2nd: Logitech for Creators Blue Yeti Nano USB Microphone for Gaming, Zoom, etc.
- 3rd: INIU Power Bank, 20000mAh 65W USB
- 4th: Coax Cable 10ft, UHF PL259 male to male CB antenna cable and RG316 PL-259 jumper cable 50 Ohm
- 5th: RAKwireless WisBlock Meshtastic Starter Kit US915 Base RAK19007 + Core RAK4631

Discord Server

Do you want to talk to other PAARA members and friends about Homebrew, POTA, SOTA, digital modes, or any other ham radio topic? Download the App or use the Web version, then join our server by scanning the QR code, or visiting <https://discord.gg/qPyn5h8p6H>.



For any issues, please reach out to Sorin (KN6YUH) or Connie (W6EFI).

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you built a unique antenna, devised a unique way to mount an antenna (or take one down), organized your shack in an interesting way, built or deployed a unique power source for your rig, found a great way to make unique QSL cards, written an interesting computer program, or figured out how to bake a cake in the shape of a vacuum tube? We'd love to hear about it (and taste it, if you made the cake)! Show and tell presentations are limited to about 7 minutes, so a quick overview is all that's required – we don't need detailed schematics, specs, or recipes. At the time of this writing, there are still a few spots available, so if you'd like to participate, it's worth checking the sign-up link on the PAARA home page. I can't wait to see what everyone has been brewing at home!

Check out Jim's story this month about the goings on at QuartzFest (which technically took place at the end of January). Yuma Hamfest was held in the middle of February, and I understand there were at least a few PAARA members present. February 21st was the FARS Winter Banquet where quite a few PAARA members enjoyed a wonderful meal, an interesting speaker, and took home some raffle prizes. It was fun to see everyone on a Friday that isn't the first Friday of the month!

As the calendar starts to turn toward spring, we have several events and activities to anticipate. The Electronics Flea Market starts up again on Sunday, March 9th – this is the first flea market of 2025. PAARA will be sponsoring the flea market on May 18th this year. (Note that May 18th is the third Sunday of the month because the second Sunday is Mother's Day.) I'll mention this at the upcoming meetings and will also be sending out emails to request volunteers for the various flea market activities that need assistance including setup/takedown of the food sales area, selling food and collecting money, vendor ticket sales, purchasing drinks, ice, and donuts, and getting equipment for the event from the EFM locker and returning it afterward. This event is a major fund raiser for the club, so please consider how you can help. If you've never volunteered at the flea market, you might consider visiting on either March 9th

or April 13th to see what goes on. I'm sure the organizations sponsoring on those days would appreciate a little drop-in help if you're so inclined.

May 3rd is our next PAARA in the Park event, which will be at Cupertino Memorial Park. Plan to come enjoy the spring weather, build your own foxhole radio receiver, have a great BBQ lunch, make some contacts, and socialize with the friendliest hams around!

I know it's only March, but ARRL Field Day on June 28-29 will be coming up before we know it. Early planning is already starting for a great Field Day event, so set aside that weekend to come join PAARA and make it an outstanding Field Day.

Lastly I hope to see you all at the March 7th meeting, which will be held IRL and on Zoom. We don't have a specific speaker this month, because it's Homebrew Night, so we'll have several speakers! We'll find out the answer(s) to the Question of the Month, and of course, we'll be holding a raffle toward the end of the meeting! After the official meeting, I hope you can join the crowd at Mountain Mike's across the parking lot for some pizza, and to continue what I'm sure will be a lively discussion about all the homebrew projects presented at the meeting!

73, Bob KN6YGN

Get on the air to keep the airwaves alive!



February Raffle Winners

Left to Right: Sean, KO6BYD (and son), Vicky, N7HBJ, Marty, W6NEV, Mark, AD1M
 Not pictured: Steve, WB6KIO

Palo Alto Amateur Radio Association, Inc.

PO Box 911 Menlo Park, CA 94026

Officers

President	Bob Ridenour, KN6YGN 650-575-4528 bob_ridenour@yahoo.com
Vice President	Rob Fenn, KC6TYD 650-888-9060 kc6tyd@gmail.com
Secretary	Ric Hulett, N6AJS 408-332-4593 n6ajs@arrl.net
Treasurer	Margaret Cooper, K6WEK k6wek@arrl.net

Directors

Director ('24-'25)	Sorin Constantinescu, KN6YUH, consta@gmail.com
Director ('25-'26)	Walt Gyger, K6WGY 408-921-5901 wgyger@ix.netcom.com
Director ('25)	Doug Teter, KG6LWE 650-743-7892 dteter@wcwi.com
Director ('25)	Darryl Presley, KI6LDM 650 255-2454 ki6ldm@arrl.net

Appointed Positions

Membership	Ric Hulett, N6AJS 408-332-4593 N6AJS@arrl.net
Database	Ric Hulett, N6AJS 408-332-4593 N6AJS@arrl.net
Station Trustee	K6OTA Ron Chester, W6AZ
Property Manager	Doug Teter, KG6LWE
Badge Coordinator	Doug Teter, KG6LWE 650-743-7892 dteter@wcwi.com
Historian Position	<i>Position Vacant</i>
Raffle Coordinators	Rob Fenn, KC6TYD, kc6tyd@gmail.com Shrikumar, KA6Q shri.paara@enablery.org
Field Day Coordinator	Doug Teter, KG6LWE 650-743-7892
ASVARO Rep	Clark Martin, KK6ISP kk6isp@sonic.net
Webmaster	Shrikumar, KA6Q webaron@gmail.com
Technical Coordinator	Christopher, AI6KG 408-348-0304 ch@murgatroid.com
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Speaker Coordinator	Rob Fenn, kc6tyd 650-888-9060

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Member Profiles	<i>Position Vacant</i>
Technical Tips	Ric Hulett, N6AJS
Photographer	<i>Position Vacant</i>

VE Exams

De Anza Park, Sunnyvale, 2nd Saturday 10:30 am each month except November and December. See website for details and exceptions: <http://amateur-radio.org>

Electronics Flea Market (EFM)

Sponsorship: Association of Silicon Valley Amateur Radio Organizations (ASVARO). The Electronics Flea Market is held at West Valley College, 14000 Fruitvale Ave, Saratoga.

Website: <http://www.electronicfleamarket.com/>

PAARA — Palo Alto Amateur Radio Association

Meets 1st Friday 7:00pm each month at Room H-6, Cubberley Community Center; Net 145.230 - PL 100Hz Mondays at 8:30. See website at <http://www.paara.org>. For more information. contact: Joel Wilhite KD6W, kd6w@arrl.net, 650-325-8239

FARS — Foothills Amateur Radio Society

Meets 4th Friday each month at 7:00pm at Covington School, Los Altos.

Website: <http://www.fars.k6ya.org>

NCDXC — Northern California DX Club

Meets 3rd Thursday 7:00pm each month, Repeater for member info 147.360. Contact president@ncdxc.org. Website: <http://ncdxc.org>. YouTube content: "The Northern California DX Club Official Channel". Cohost of the International DX Convention.

The 50MHz & Up Group of Northern California

This organization specializes in vhf + wak signal and microwave activities. Meetings are held on the first Tuesday of each month. Time is usually 5pm for in person meetings, and 7pm for Zoom only meetings. In person meetings are held Sports Basement, 1177 Kern Ave, Sunnyvale. Always check the website, <http://50MhzandUp.org>, for correct information. Zoom information is also there.

San Mateo Radio Club W6UQ.ORG

Meets, 3rd Friday, January through November.

Tuesdays & Thursdays, [Directed] Net, 7pm, N6ZX 145.370Hz, -600KHz, PL107.2Hz

Contact: SanMateoRadioClub@gmail.com, Website: <http://W6UQ.org/calendar>

SPECS

Southern Peninsula Emergency Communication System users Group

Meets each Monday 7:30pm and 8:00pm.

See: <https://specsnet.org/monday-night-net> for more info.

Contact: <https://www.specsnet.org/contact> or board@specsnet.org

SCARES

South County Amateur Radio Emergency Service

Meets 3rd Thursday 7:30pm each month, Belmont EOC, Belmont City Hall, One Twin Pines Lane, Belmont CA 94002. Net is on 146.445 [PL 114.8] & 444.50 (PL-100) 7:30 Monday evenings. Contact: President Gary D. Aden, K6GDA 650-743-1265 (D), 650- 595-5590 (N)

Web: <http://k6mpn.org> E-mail: pres@k6mpn.org

SCCARA

Santa Clara County Amateur Radio Association

Operates W6UU & W6UU/R, repeater 146.985-pl

Nets: 2m, 7:30pm Mon; 70cm, 10M (28.385) 8PM Thur.

Meets 2nd Mon each month @ 7:30 PM.

ARRL/VEC license testing contact 408-507-4698

SVECS — Silicon Valley Emergency Communications

Operates AA6BT repeater (146.115 MHz+)

Website: <http://www.svecs.net> or contact: Lou Stierer WA6QYS 408 241 7999

WVARA — West Valley Amateur Radio Association

W6PIY six-meter repeater on 52.58MHz. Normally, six-meters is linked with 147 and 223, while 441 and 1286 repeaters are linked.

VHF: 52.58 (-500) 151.4 ctcss UHF: 147.39 (+600) 151.4 ctcss 441.35 (+5.0) 88.5 ctcss
223.96 (+1.6) 156.7 ctcss 1286.20 (-12m) 100.0 ctcss

Meetings are 2nd Wednesday of every month except July, August and December.

Website: <http://wvara.org>, Contact: info@wvara.org

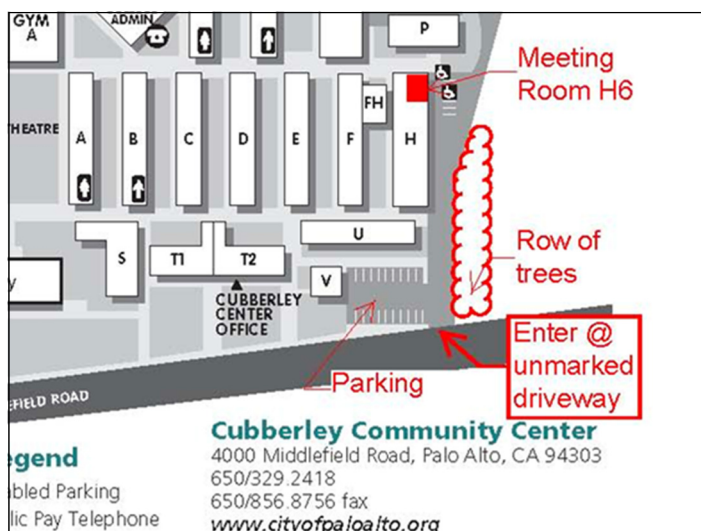
(Please send changes to PAARAgaphs editor)



For Sale: World War 2 vintage shortwave radio

Model BC-1147A — Covers AM broadcast through 30 MHz.

\$200 Contact: Harry Logan 650-941-4581



**Meeting Location — Middlefield Road
between San Antonio and Charleston in Palo
Alto. 4000 Middlefield Road**



PAARA Weekly Radio Net

Info and Swap Session
every Monday evening at 8:30pm
on the N6NFI 145.230 MHz repeater

Week Control Operator

1 st	Doug - KG6LWE
2 nd	Doug - KG6LWE
3 rd	Ric - N6AJS
4 th	Rob - KC6TYD
5 th	Rob - KC6TYD

If you're interested in trying out at Net Control, Contact Doug, KG6LWE. It's good practice, and lots o' fun! Give it a try.

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KJ6GUK General License, PAARA member

777 Woodside Rd., Suite B, Redwood City, CA 94061

Email: KARLDRESDEN@juno.com

**Palo Alto Amateur Radio Association
P.O. Box 911, Menlo Park
California 94026-0911**

Club meetings are on the first Friday of each month,
7:00pm at the Room H-6, Cubberley Community Center.

Radio NET & Swap Session every Monday evening, at
8:30pm, on the 145.230 –600 MHz repeater, PL 100Hz.

Membership in PAARA is \$25.00 per calendar year,
which includes one subscription to PAARAgaphs
\$6 for each additional family member (no newsletter).

Make payment to the
Palo Alto Amateur Radio Association,
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PAARA W6OTX Repeaters Located near Alum Rock Park, San Jose		
VHF DMR	144.9625 MHz +2.5 MHz CC3	Slot 1: Dynamic Slot 2: NorCal BM (31068)
UHF DMR	444.475 MHz +5 MHz CC1	Slot 1: Dynamic Slot 2: NorCal BM (31068)
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Scroll to the bottom of the page
 and fill out the info. All badges will
 be mailed.

The cost for a badge is \$30.00.

PAARAgaphs Ad Rates

PAARAgaphs accepts paid advertisements from non-members. (short personal ads remain free for members in good standing). **All ad rates listed are per issue.**

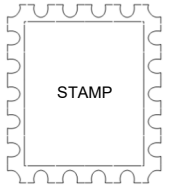
- Not-for-profit ads by association members for ham-related items and wants. No cost for business card-size ads (additional space at \$2.50 per business card size per issue).
- For Profit organizations and/or individuals: \$5-business card size, \$14.00-quarter page, \$25-half page, \$50 full page or back cover per issue.

These fees may be reduced or waived in exchange for a valuable consideration that is given to the Association or its general membership. Such consideration must be in addition to any existing arrangements with the association. The PAARAgaphs editors reserve the right to reject any ad deemed to be not in the best interest of the Association.

All fees payable in advance by the year with "scanner-ready" copy or text-only ads. **Give payment and copy to Walt Gyger, K6WGY.**

PAARAgaphs — March 2025

Accept no substitutes. Produced and printed in California USA



Palo Alto Amateur Radio Association, Inc.
PAARAgaphs Newsletter
P.O. Box 911
Menlo Park, California 94026

FIRST CLASS MAIL

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***Free Shipping and Fast Delivery!**



FTDX101MP | 200W HF/50MHz Transceiver

- Hybrid SDR Configuration • Unparalleled 70 dB Max Attenuation VC-Tune • New Generation Scope Display, 30SS • 40/100kHz Band Indication & MPD (Multi-Purpose) VFO Over Dual • PC Remote Control Software to Expand the Operating Range • Includes External Power With Matching Front Spacer



FTDX10 | HF/50MHz 100 W SDR Transceiver

- Narrow Band and Direct Sampling SDR • Down Conversion, 9MHz IF Roofing Filters Produce Excellent Shape Factor • 5" Full-Color Touch Panel w/3D Spectrum Stream • High Speed Auto Antenna Tuner • Microphone Amplifier w/2-Stage Parametric Equalizer • Remote Operation w/Optional LAN Unit (SD-LAN10)



FT-991A | HF/VHF/UHF All Mode Transceiver

- Real-time Spectrum Scope with Automatic Scope Control • Multi-color waterfall display • State of the art 32-bit Digital Signal Processing System • 3kHz Roofing Filter for enhanced performance • 3.5 inch Full Color TFT USB Capable • Internal Automatic Antenna Tuner • High Accuracy TCXO



FTDX101D | HF + 6M Transceiver

- Narrow Band SDR & Direct Sampling SDR • Crystal Roofing Filters Phenomenal Multi-Signal Receiving Characteristics • Unparalleled -70dB Maximum Attenuation VC-Tune • 15 Separate (HAM 10 + 6M 5) Powerful Band Pass Filters • New Generation Scope Displays 3-Dimensional Spectrum Stream



FT-710 Aess | HF/50MHz 100W SDR Transceiver

- Unmatched SDR Receiving Performance • Band Pass Filters Dedicated for the Amateur Bands • High Res 4.3-inch TFT Color Touch Display • AES3 Acoustic Enhanced Speaker System with SP-40 For High-Fidelity Audio • Built-in High Speed Auto Antenna Tuner



FT-891 | HF-50 MHz All Mode Mobile Transceiver

- Stable 100 Watt Output • 32 dB IF DSP • Large Dot Matrix LCD Display with Quick Spectrum Scope • USB Port Allows Connection to a PC with a Simple Cable • CAT Control, PTT RTTY Control



FT-3185RASP | Heavy-Duty 85W 2M FM Transceiver

- Massive HeatSink Ensures Reliable 85W RF Power • Super-DX Function Increases Receiver Sensitivity & Weak Signal Reception • 221 Memory Channels • Large 5-Character Alpha-Numeric Display



FTM-150RASP | 2M/430MHz FM True Dual Band Xciv

- Dual Receivers (V-U, U-U, U-V, U-V) Operator • 55W VHF & 50W UHF • Heavy Duty Real Sink w/Universal RF Connection Conductor • Front & Rear Body Speaker for 6W High Quality Audio



FTM-510DRASP | CFM/FM 144/430MHz Dual Band Xciv

- New Super-DX A3P Inducto Digital Signal Processor Unit • True Dual Band Receiver (V-U/U-U/V-U/V-U) • CFM/FM Digital D-D Dual Receiver • 2.4" High-Res Full-Color Touch-Pane Display • Wireless Operation Capability with Optional Bluetooth® Headset



FT-60R | VHF/UHF Rugged Dual Band

- Over 1000 Memory Channels • Wide Bank Receiver Coverage • High Power Output 5 Watts • High LCD Display • 100% Severe Weather Alert with Alert Scan



FT-70DR CFM/FM 144/430MHz Xciv

- System Fusion Compatible • Large Front Speaker delivers 700 mW of Loud Audio Output • Automatic Mode Select: detects CATM or FM Audio and Switches Accordingly • 1000 1, 105 Channel Memory Capacity • External DC Jack for DC Supply and Battery Charging



FT-5DR CFM/FM 144/430 MHz Dual Band

- High-Res Full-Color Touch Screen TFT LCD Display • Easy Hands-Free Operation w/Built-in Bluetooth® Unit • Built-in High Precision SPS Antenna • 1200/800bps AFSK Data Communications • Supports Simultaneous CFM Digital Micro SD Card Slot



FT-65R | 144/430 MHz Transceiver

- Compact Commercial Grade Rugged Design • Large Front Speaker Delivers 1W of Powerful Clear Audio • 5 Watts of Portable RF Power With-in a compact Body • 3.5-Hour Rapid Charge Included • Large White LED Flashlight, Alarm and Quick Home Channel Access



VX-6R | VHF/UHF Dual Band Hand-Held

- Big-Radio Features in a Compact Package • Wide-Band Receiver Coverage for Catching All the Action • 900-Channel 24-Bank Memory System • Outdoor-Ready Features Including Waterproof Rating • Smart Screen Automatic 51-Channel Scanning/Locking System



• RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
• PHONE - Toll-free phone hours 8:30AM - 5:30PM
• ONLINE - WWW.HAMRADIO.COM
• FAX - All store locations
• MAIL - All store locations



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